



ELSEVIER

Mechanisms of Development 98 (2000) 203–204



Author index

Volume 98 (2000)

- Abe, M., see Liu, J.-G., 199
Abud, H.E., Johnstone, C.N., Tebbutt, N.C., Heath, J.K., The murine A33 antigen is expressed at two distinct sites during development, the ICM of the blastocyst and the intestinal epithelium, 111
Aizawa, S., see Furushima, K., 161
Alvarez-Bolado, G., Wilkinson, D.G., Molecular analysis of brain development and function, 193
André, B., see Schlaege, T., 157
Apidianakis, Y., see Nagel, A.C., 19
Arnold, H.-H., see Schlaege, T., 157

Ballabio, A., see Buchner, G., 179
Bienz, M., see Szüts, D., 71
Blanco, M.J., see Sefton, M., 127
Brand, T., see Schlaege, T., 157
Broccoli, V., see Buchner, G., 179
Buchner, G., Broccoli, V., Bulfone, A., Orfanelli, U., Gattuso, C., Ballabio, A., Franco, B., MAEG, an EGF-repeat containing gene, is a new marker associated with dermatome specification and morphogenesis of its derivatives, 179
Bulfone, A., see Buchner, G., 179

Chiquet-Ehrismann, R., see Tucker, R.P., 187
Clark, M., see Shinya, M., 3

Delidakis, C., see Nagel, A.C., 19

Enomoto, K.-i., see Kataoka, H., 139
Eschbach, C., see Shinya, M., 3

Fager, N., Jaworski, D.M., Differential spatial distribution and temporal regulation of tissue inhibitor of metalloproteinase mRNA expression during rat central nervous system development, 105
Franco, B., see Buchner, G., 179
Fujii, T., see Liu, J.-G., 199
Fujimori, T., see Ito, S., 115
Furushima, K., Murata, T., Matsuo, I., Aizawa, S., A new murine zinc finger gene, *Opr*, 161
Furutani-Seiki, M., see Shinya, M., 3

Gasca, S., see Neidhardt, L., 77
Gattuso, C., see Buchner, G., 179
Gessler, M., see Leimeister, C., 175
Gustafson, A.-L., Mason, I., Expression of receptor tyrosine phosphatase gamma during early development of the chick embryo, 183

Harii, K., see Nagase, T., 145
Heath, J.K., see Abud, H.E., 111
Herrmann, B.G., see Neidhardt, L., 77

Herrmann, B.G., see Wertz, K., 51
Hogan, B.L.M., see Post, L.C., 95

Ito, S., Kinoshita, S., Shiraishi, N., Nakagawa, S., Sekine, S., Fujimori, T., Nabeshima, Y.-i., Molecular cloning and expression analyses of mouse *Bkllotho*, which encodes a novel Klotho family protein, 115
Iwamoto, M., see Liu, J.-G., 199

Jaworski, D.M., see Fager, N., 105
Johnstone, C.N., see Abud, H.E., 111

Kataoka, H., Ochi, M., Enomoto, K.-i., Yamaguchi, A., Cloning and embryonic expression patterns of the zebrafish Runt domain genes, *runxa* and *runxb*, 139
Kato, A., see Suzuki, R., 37
Kato, J., see Liu, J.-G., 199
Kawakami, K., see Kobayashi, M., 151
Kinoshita, S., see Ito, S., 115
Knöchel, S., Schuler-Metz, A., Knöchel, W., c-Jun (AP-1) activates *BMP-4* transcription in *Xenopus* embryos, 29
Knöchel, W., see Knöchel, S., 29
Kobayashi, M., Osanai, H., Kawakami, K., Yamamoto, M., Expression of three zebrafish Six4 genes in the cranial sensory placodes and the developing somites, 151
Kos, R., see Tucker, R.P., 187
Kurisu, K., see Liu, J.-G., 199

Lehrach, H., see Neidhardt, L., 77
Lehrach, H., see Shinya, M., 3
Leimeister, C., Schumacher, N., Steidl, C., Gessler, M., Analysis of *HeyL* expression in wild-type and Notch pathway mutant mouse embryos, 175
Liu, J.-G., Tabata, M.J., Fujii, T., Ohmori, T., Abe, M., Ohsaki, Y., Kato, J., Wakisaka, S., Iwamoto, M., Kurisu, K., Parathyroid hormone-related peptide is involved in protection against invasion of tooth germs by bone via promoting the differentiation of osteoclasts during tooth development, 199

Maier, D., see Nagel, A.C., 19
Martin, D., see Tucker, R.P., 187
Mason, I., see Gustafson, A.-L., 183
Matsuo, I., see Furushima, K., 161
Mauch, T.J., see Stark, M.R., 121
Mayor Jr., F., see Sefton, M., 127
Murata, T., see Furushima, K., 161

Nabeshima, Y.-i., see Ito, S., 115
Nagase, T., Shimoda, Y., Sanai, Y., Nakamura, S., Harii, K., Osumi, N., Differential expression of two glucuronyltransferases synthesizing

- HNK-1 carbohydrate epitope in the sublineages of the rat myogenic progenitors, 145
- Nagel, A.C., Apidianakis, Y., Wech, I., Maier, D., Delidakis, C., Preiss, A., Neural hyperplasia induced by RNA interference with m4/mx gene activity, 19
- Nakagawa, S., see Ito, S., 115
- Nakamura, S., see Nagase, T., 145
- Neidhardt, L., Gasca, S., Wertz, K., Obermayr, F., Worpenberg, S., Lehrach, H., Herrmann, B.G., Large-scale screen for genes controlling mammalian embryogenesis, using high-throughput gene expression analysis in mouse embryos, 77
- Nieto, M.A., see Sefton, M., 127
- Noda, M., see Suzuki, R., 37
- Obermayr, F., see Neidhardt, L., 77
- Ochi, M., see Kataoka, H., 139
- Ogawa, M., see Takabatake, T., 99
- Ohkawara, T., see Suzuki, R., 37
- Ohmori, T., see Liu, J.-G., 199
- Ohsaki, Y., see Liu, J.-G., 199
- Orfanelli, U., see Buchner, G., 179
- Osanai, H., see Kobayashi, M., 151
- Osumi, N., see Nagase, T., 145
- Osumi, N., see Suzuki, R., 37
- Penela, P., see Sefton, M., 127
- Post, L.C., Ternet, M., Hogan, B.L.M., Notch/Delta expression in the developing mouse lung, 95
- Preiss, A., see Nagel, A.C., 19
- Rao, M.S., see Stark, M.R., 121
- Sakuta, H., see Suzuki, R., 37
- Sanai, Y., see Nagase, T., 145
- Schlange, T., André, B., Arnold, H.-H., Brand, T., Expression analysis of the chicken homologue of CITED2 during early stages of embryonic development, 157
- Schoenwolf, G.C., see Stark, M.R., 121
- Schuler-Metz, A., see Knöchel, S., 29
- Schumacher, N., see Leimeister, C., 175
- Schweitzer, R., Vogan, K.J., Tabin, C.J., Similar expression and regulation of *Gli2* and *Gli3* in the chick limb bud, 171
- Sefton, M., Blanco, M.J., Penela, P., Mayor Jr., F., Nieto, M.A., Expression of the G protein-coupled receptor kinase 2 during early mouse embryogenesis, 127
- Sekine, S., see Ito, S., 115
- Shimada, K., see Tomotsune, D., 165
- Shimoda, Y., see Nagase, T., 145
- Shintani, T., see Suzuki, R., 37
- Shinya, M., Eschbach, C., Clark, M., Lehrach, H., Furutani-Seiki, M., Zebrafish Dkk1, induced by the pre-MBT Wnt signaling, is secreted from the prechordal plate and patterns the anterior neural plate, 3
- Shirai, M., see Tomotsune, D., 165
- Shiraishi, N., see Ito, S., 115
- Smith, D., see Stark, M.R., 121
- Stark, M.R., Rao, M.S., Schoenwolf, G.C., Yang, G., Smith, D., Mauch, T.J., *Frizzled-4* expression during chick kidney development, 121
- Steidl, C., see Leimeister, C., 175
- Stern, C.D., see Vasiliauskas, D., 133
- Suzuki, R., Shintani, T., Sakuta, H., Kato, A., Ohkawara, T., Osumi, N., Noda, M., Identification of RALDH-3, a novel retinaldehyde dehydrogenase, expressed in the ventral region of the retina, 37
- Szüts, D., Bienz, M., An autoregulatory function of Dfos during *Drosophila* endoderm induction, 71
- Tabata, M.J., see Liu, J.-G., 199
- Tabin, C.J., see Schweitzer, R., 171
- Takabatake, T., Takahashi, T.C., Takabatake, Y., Yamada, K., Ogawa, M., Takeshima, K., Distinct expression of two types of *Xenopus Patched* genes during early embryogenesis and hindlimb development, 99
- Takabatake, Y., see Takabatake, T., 99
- Takahashi, T.C., see Takabatake, T., 99
- Takeshima, K., see Takabatake, T., 99
- Takihara, Y., see Tomotsune, D., 165
- Tebbutt, N.C., see Abud, H.E., 111
- Ternet, M., see Post, L.C., 95
- Tomotsune, D., Shirai, M., Takihara, Y., Shimada, K., Regulation of *Hoxb3* expression in the hindbrain and pharyngeal arches by *rae28*, a member of the mammalian Polycomb group of genes, 165
- Tucker, R.P., Martin, D., Kos, R., Chiquet-Ehrismann, R., The expression of teneurin-4 in the avian embryo, 187
- Vasiliauskas, D., Stern, C.D., Expression of mouse HES-6, a new member of the Hairy/Enhancer of split family of bHLH transcription factors, 133
- Vogan, K.J., see Schweitzer, R., 171
- Wakisaka, S., see Liu, J.-G., 199
- Wech, I., see Nagel, A.C., 19
- Wertz, K., Herrmann, B.G., Large-scale screen for genes involved in gonad development, 51
- Wertz, K., see Neidhardt, L., 77
- Wilkinson, D.G., see Alvarez-Bolado, G., 193
- Worpenberg, S., see Neidhardt, L., 77
- Yamada, K., see Takabatake, T., 99
- Yamaguchi, A., see Kataoka, H., 139
- Yamamoto, M., see Kobayashi, M., 151
- Yang, G., see Stark, M.R., 121

Subject index

Volume 98 (2000)

A33 antigen: Mouse; Blastocyst; Inner cell mass; Intestine; Ig domain; Gut; Endoderm; Epithelium; Development **98** 111

Aging: *Bklotho*; *klotho*; Lipid metabolism; Family 1 glycosidase; Glutamate; Liver; Pancreas; Yolk sac; Brown adipose tissue; White adipose tissue; Mouse; β -Glucosidase; cDNA cloning; In situ hybridization; Northern blot hybridization **98** 115

Alternative splicing: Runt-related transcription factor; Runt domain; Runx family; Zebrafish; Embryogenesis; Development; Ear; Otic vesicle; Olfactory placode; Trigeminal ganglion; Lateral line primordium; Rohon–Beard sensory neurons; Neural crest; PEBP2 α B; CBFA2; AML1; Runx1; PEBP2 α C; CBFA3; AML2; Runx3 **98** 139

AML1: Runt-related transcription factor; Runt domain; Runx family; Zebrafish; Embryogenesis; Development; Ear; Otic vesicle; Olfactory placode; Trigeminal ganglion; Lateral line primordium; Rohon–Beard sensory neurons; Neural crest; Alternative splicing; PEBP2 α B; CBFA2; Runx1; PEBP2 α C; CBFA3; AML2; Runx3 **98** 139

AML2: Runt-related transcription factor; Runt domain; Runx family; Zebrafish; Embryogenesis; Development; Ear; Otic vesicle; Olfactory placode; Trigeminal ganglion; Lateral line primordium; Rohon–Beard sensory neurons; Neural crest; Alternative splicing; PEBP2 α B; CBFA2; AML1; Runx1; PEBP2 α C; CBFA3; Runx3 **98** 139

Anterior neural development: Zinc finger; *odd-paired*; *Zic*; Roof regionalization; Limb; Somite **98** 161

Anterior neural plate: Wnt signaling; Dkk-1; A-P patterning; Prechordal plate; Forebrain; Zebrafish **98** 3

A-P patterning: Wnt signaling; Dkk-1; Anterior neural plate; Prechordal plate; Forebrain; Zebrafish **98** 3

Arrestins: Mouse embryo; G protein-coupled receptor kinases; Neural plate; Neural tube; Branchial arches; Neural crest; Heart development; Limb patterning; Mesenchyme; Mesoderm; Migration **98** 127

Arteries: Hey; Basic helix-loop-helix; Hairy; Notch; Delta; Somitogenesis; Somites; Presomitic mesoderm; Spinal ganglia; Cranial ganglia; Mouse; Smooth muscles; Vasculature; Thymus; CADASIL **98** 175

Autoregulatory feedback: Dfos; Endoderm induction; Epidermal growth factor receptor **98** 71

Auto-regulatory loop: *Xenopus laevis*; BMP-4 promoter; c-Jun (AP-1) **98** 29

Barbu; *bbu*; *Bearded*; *Brd*; *Brd-C*; Bristle; Dominant-negative; Double-strand RNA; *Enhancer of split*; *E(spl)*; *E(spl)-C*; Gain of function; Gene family; Lateral specification; Loss of function; *ma*; *m4*; Mechanosensory organ; Neurogenesis; Notch; RNA interference; RNAi; Sensory organ precursor; *twin of m4*; *tom* **98** 19

Basic helix-loop-helix: Hey; Hairy; Notch; Delta; Somitogenesis; Somites; Presomitic mesoderm; Spinal ganglia; Cranial ganglia; Mouse; Smooth muscles; Arteries; Vasculature; Thymus; CADASIL **98** 175

bbu; *Barbu*; *Bearded*; *Brd*; *Brd-C*; Bristle; Dominant-negative; Double-strand RNA; *Enhancer of split*; *E(spl)*; *E(spl)-C*; Gain of function; Gene family; Lateral specification; Loss of function; *ma*; *m4*; Mechanosensory organ; Neurogenesis; Notch; RNA interference; RNAi; Sensory organ precursor; *twin of m4*; *tom* **98** 19

Bearded; *Barbu*; *bbu*; *Brd*; *Brd-C*; Bristle; Dominant-negative; Double-strand RNA; *Enhancer of split*; *E(spl)*; *E(spl)-C*; Gain of function; Gene family; Lateral specification; Loss of function; *ma*; *m4*; Mechanosensory organ; Neurogenesis; Notch; RNA interference; RNAi; Sensory organ precursor; *twin of m4*; *tom* **98** 19

bHLH: HES-6; Hairy/Enhancer of split; Sensory placodes; Olfactory placode; Otic placode; Epibranchial placodes; Trigeminal placode; Sensory ganglia; Dorsal root ganglia; Hindbrain; Muscle; Tendons; Limb buds; Branchial arches **98** 133

Blastocyst: Mouse; Inner cell mass; Intestine; A33 antigen; Ig domain; Gut; Endoderm; Epithelium; Development **98** 111

BMP-4 promoter: *Xenopus laevis*; c-Jun (AP-1); Auto-regulatory loop **98** 29

Branchial arches: HES-6; Hairy/Enhancer of split; bHLH; Sensory placodes; Olfactory placode; Otic placode; Epibranchial placodes; Trigeminal placode; Sensory ganglia; Dorsal root ganglia; Hindbrain; Muscle; Tendons; Limb buds **98** 133

Branchial arches: Mouse embryo; G protein-coupled receptor kinases; Arrestins; Neural plate; Neural tube; Neural crest; Heart development; Limb patterning; Mesenchyme; Mesoderm; Migration **98** 127

Brd; *Barbu*; *bbu*; *Bearded*; *Brd-C*; Bristle; Dominant-negative; Double-strand RNA; *Enhancer of split*; *E(spl)*; *E(spl)-C*; Gain of function; Gene family; Lateral specification; Loss of function; *ma*; *m4*; Mechanosensory organ; Neurogenesis; Notch; RNA interference; RNAi; Sensory organ precursor; *twin of m4*; *tom* **98** 19

Brd-C: *Barbu; bbu; Bearded; Brd;* Bristle; Dominant-negative; Double-strand RNA; *Enhancer of split; E(spl); E(spl)-C;* Gain of function; Gene family; Lateral specification; Loss of function; *ma; m4;* Mechanosensory organ; Neurogenesis; Notch; RNA interference; RNAi; Sensory organ precursor; *twin of m4; tom* **98** 19

Bristle: *Barbu; bbu; Bearded; Brd-C;* Dominant-negative; Double-strand RNA; *Enhancer of split; E(spl); E(spl)-C;* Gain of function; Gene family; Lateral specification; Loss of function; *ma; m4;* Mechanosensory organ; Neurogenesis; Notch; RNA interference; RNAi; Sensory organ precursor; *twin of m4; tom* **98** 19

Brown adipose tissue: *βklotho; klotho;* Aging; Lipid metabolism; Family 1 glycosidase; Glutamate; Liver; Pancreas; Yolk sac; White adipose tissue; Mouse; β-Glucosidase; cDNA cloning; In situ hybridization; Northern blot hybridization **98** 115

CADASIL: Hey; Basic helix-loop-helix; Hairy; Notch; Delta; Somitogenesis; Somites; Presomitic mesoderm; Spinal ganglia; Cranial ganglia; Mouse; Smooth muscles; Arteries; Vasculature; Thymus **98** 175

CBFA2: Runt-related transcription factor; Runt domain; Runx family; Zebrafish; Embryogenesis; Development; Ear; Otic vesicle; Olfactory placode; Trigeminal ganglion; Lateral line primordium; Rohon-Beard sensory neurons; Neural crest; Alternative splicing; PEBP2αB; AML1; Runx1; PEBP2αC; CBFA3; AML2; Runx3 **98** 139

CBFA3: Runt-related transcription factor; Runt domain; Runx family; Zebrafish; Embryogenesis; Development; Ear; Otic vesicle; Olfactory placode; Trigeminal ganglion; Lateral line primordium; Rohon-Beard sensory neurons; Neural crest; Alternative splicing; PEBP2αB; CBFA2; AML1; Runx1; PEBP2αC; AML2; Runx3 **98** 139

cDNA cloning: *βklotho; klotho;* Aging; Lipid metabolism; Family 1 glycosidase; Glutamate; Liver; Pancreas; Yolk sac; Brown adipose tissue; White adipose tissue; Mouse; β-Glucosidase; In situ hybridization; Northern blot hybridization **98** 115

Central nervous system: Development; Extracellular matrix; In situ hybridization; Matrix metalloproteinase; Nervous system; Northern hybridization; TIMP-1; TIMP-2; TIMP-3; TIMP-4 **98** 105

Chick: *Gli3; Sonic hedgehog;* Limb **98** 171

Chick: Retinaldehyde dehydrogenase; Retinoic acid; Pax6; Retina; Dorsal-ventral axis; Mouse **98** 37

Chick: Embryo; RPTP gamma; Neurone; Hindbrain; Midbrain; Diencephalon; Cranial ganglion; Rhombomere; Somite; Placode; Motoneurone **98** 183

Chick embryo: Cited; Msg; Mrg; Heart development; Mesoderm; Primitive streak; Epiblast; p300/CBP; Somites; Headfold; Kidney anlage; Left-right asymmetry; Headfold; Gastrulation **98** 157

Chick embryo: *ten-m; ten-a;* Neurestin; Odz; DOC4; Teneurin-1; Somite; Limb development; Morphogenesis; In situ hybridization **98** 187

Cited: Msg; Mrg; Chick embryo; Heart development; Mesoderm; Primitive streak; Epiblast; p300/CBP; Somites; Headfold; Kidney anlage; Left-right asymmetry; Headfold; Gastrulation **98** 157

c-Jun (AP-1); *Xenopus laevis;* BMP-4 promoter; Auto-regulatory loop **98** 29

Cranial ganglia: Hey; Basic helix-loop-helix; Hairy; Notch; Delta; Somitogenesis; Somites; Presomitic mesoderm; Spinal ganglia; Mouse; Smooth muscles; Arteries; Vasculature; Thymus; CADASIL **98** 175

Cranial ganglion: Chick; Embryo; RPTP gamma; Neurone; Hindbrain; Midbrain; Diencephalon; Rhombomere; Somite; Placode; Motoneurone **98** 183

Delta: Embryonic; Lung; Notch; Jagged; Radical fringe; Lunatic fringe; Endoderm **98** 195

Delta: Hey; Basic helix-loop-helix; Hairy; Notch; Somitogenesis; Somites; Presomitic mesoderm; Spinal ganglia; Cranial ganglia; Mouse; Smooth muscles; Arteries; Vasculature; Thymus; CADASIL **98** 175

Dermatome: EGF; Xp22 **98** 179

Development: Central nervous system; Extracellular matrix; In situ hybridization; Matrix metalloproteinase; Nervous system; Northern hybridization; TIMP-1; TIMP-2; TIMP-3; TIMP-4 **98** 105

Development: Mouse; Blastocyst; Inner cell mass; Intestine; A33 antigen; Ig domain; Gut; Endoderm; Epithelium **98** 111

Development: Runt-related transcription factor; Runt domain; Runx family; Zebrafish; Embryogenesis; Ear; Otic vesicle; Olfactory placode; Trigeminal ganglion; Lateral line primordium; Rohon-Beard sensory neurons; Neural crest; Alternative splicing; PEBP2αB; CBFA2; AML1; Runx1; PEBP2αC; CBFA3; AML2; Runx3 **98** 139

Dfos: Endoderm induction; Epidermal growth factor receptor; Autoregulatory feedback **98** 71

Diencephalon: Chick; Embryo; RPTP gamma; Neurone; Hindbrain; Midbrain; Cranial ganglion; Rhombomere; Somite; Placode; Motoneurone **98** 183

Dkk-1: Wnt signaling; A-P patterning; Anterior neural plate; Prechordal plate; Forebrain; Zebrafish **98** 3

DOC4: *ten-m; ten-a;* Neurestin; Odz; Teneurin-1; Chick embryo; Somite; Limb development; Morphogenesis; In situ hybridization **98** 187

Dominant-negative: *Barbu; bbu; Bearded; Brd; Brd-C;* Bristle; Double-strand RNA; *Enhancer of split; E(spl); E(spl)-C;* Gain of function; Gene family; Lateral specification; Loss of function; *ma; m4;* Mechanosensory organ; Neurogenesis; Notch; RNA interference; RNAi; Sensory organ precursor; *twin of m4; tom* **98** 19

Dorsal root ganglia: HES-6; Hairy/Enhancer of split; bHLH; Sensory placodes; Olfactory placode; Otic placode; Epibranchial placodes; Trigeminal placode; Sensory ganglia; Hindbrain; Muscle; Tendons; Limb buds; Branchial arches **98** 133

Dorso-ventral axis: Retinaldehyde dehydrogenase; Retinoic acid; Pax6; Retina; Chick; Mouse **98** 37

Double-strand RNA: *Barbu; bbu; Bearded; Brd; Brd-C;* Bristle; Dominant-negative; *Enhancer of split; E(spl); E(spl)-C;* Gain of function; Gene family; Lateral specification; Loss of function; *ma; m4;* Mechanosensory organ; Neurogenesis; Notch; RNA interference; RNAi; Sensory organ precursor; *twin of m4; tom* **98** 19

E(spl): *Barbu; bbu; Bearded; Brd; Brd-C;* Bristle; Dominant-negative; Double-strand RNA; *Enhancer of split; E(spl); E(spl)-C;* Gain of function; Gene family; Lateral specification; Loss of function; *ma; m4;* Mechanosensory

organ; Neurogenesis; Notch; RNA interference; RNAi; Sensory organ precursor; *twin of m4; tom* **98** 19

E(spl)-C: *Barbu; bbu; Bearded; Brd; Brd-C;* Bristle; Dominant-negative; Double-strand RNA; *Enhancer of split; E(spl);* Gain of function; Gene family; Lateral specification; Loss of function; *ma; m4;* Mechanosensory organ; Neurogenesis; Notch; RNA interference; RNAi; Sensory organ precursor; *twin of m4; tom* **98** 19

Ear: Runt-related transcription factor; Runt domain; Runx family; Zebrafish; Embryogenesis; Development; Otic vesicle; Olfactory placode; Trigeminal ganglion; Lateral line primordium; Rohon-Beard sensory neurons; Neural crest; Alternative splicing; PEBP2αB; CBFA2; AML1; Runx1; PEBP2αC; CBFA3; AML2; Runx3 **98** 139

EGF: Dermatome; Xp22 **98** 179

Embryo: Chick; RTPK gamma; Neurone; Hindbrain; Midbrain; Diencephalon; Cranial ganglion; Rhombomere; Somite; Placode; Motoneurone **98** 183

Embryogenesis: Mouse; Organogenesis; Gene expression analysis; In situ hybridization; High-throughput gene identification; Functional genomics **98** 77

Embryogenesis: Runt-related transcription factor; Runt domain; Runx family; Zebrafish; Development; Ear; Otic vesicle; Olfactory placode; Trigeminal ganglion; Lateral line primordium; Rohon-Beard sensory neurons; Neural crest; Alternative splicing; PEBP2αB; CBFA2; AML1; Runx1; PEBP2αC; CBFA3; AML2; Runx3 **98** 139

Embryonic: Lung; Notch; Delta; Jagged; Radical fringe; Lunatic fringe; Endoderm **98** 95

Endoderm induction: Dfos; Epidermal growth factor receptor; Autoregulatory feedback **98** 71

Endoderm: Embryonic; Lung; Notch; Delta; Jagged; Radical fringe; Lunatic fringe **98** 95

Endoderm: Mouse; Blastocyst; Inner cell mass; Intestine; A33 antigen; Ig domain; Gut; Epithelium; Development **98** 111

Enhancer of split: *Barbu; bbu; Bearded; Brd; Brd-C;* Bristle; Dominant-negative; Double-strand RNA; *E(spl); E(spl)-C;* Gain of function; Gene family; Lateral specification; Loss of function; *ma; m4;* Mechanosensory organ; Neurogenesis; Notch; RNA interference; RNAi; Sensory organ precursor; *twin of m4; tom* **98** 19

Epaxial myoblast: HNK-1 epitope; Glucuronyltransferase; GlcAT-P; GlcAT-D; Sulfotransferase; Myotome; Hypaxial myoblast; Migration **98** 145

Epiblast: Cited; Msg; Mrg; Chick embryo; Heart development; Mesoderm; Primitive streak; p300/CBP; Somites; Headfold; Kidney anlage; Left-right asymmetry; Headfold; Gastrulation **98** 157

Epibranchial placodes: HES-6; Hairy/Enhancer of split; bHLH; Sensory placodes; Olfactory placode; Otic placode; Trigeminal placode; Sensory ganglia; Dorsal root ganglia; Hindbrain; Muscle; Tendons; Limb buds; Branchial arches **98** 133

Epidermal growth factor receptor: Dfos; Endoderm induction; Autoregulatory feedback **98** 71

Epithelium: Mouse; Blastocyst; Inner cell mass; Intestine; A33 antigen; Ig domain; Gut; Endoderm; Development **98** 111

Extracellular matrix: Central nervous system; Development; *In situ* hybridization; Matrix metalloproteinase; Nervous system; Northern hybridization; TIMP-1; TIMP-2; TIMP-3; TIMP-4 **98** 105

Family 1 glycosidase: *βklotho; klotho;* Aging; Lipid metabolism; Glutamate; Liver; Pancreas; Yolk sac; Brown adipose tissue; White adipose tissue; Mouse; *β-Glucosidase;* cDNA cloning; *In situ* hybridization; Northern blot hybridization **98** 115

Fin bud: Lateral line placode; Olfactory placode; Otic placode; Presomitic mesoderm; Sine oculis; Six4; Somites; Tectum; Zebrafish **98** 151

Forebrain: Wnt signaling; Dkk-1; A-P patterning; Anterior neural plate; Prechordal plate; Zebrafish **98** 3

Functional genomics: Mouse; Embryogenesis; Organogenesis; Gene expression analysis; In situ hybridization; High-throughput gene identification **98** 77

G protein-coupled receptor kinases: Mouse embryo; Arrestins; Neural plate; Neural tube; Branchial arches; Neural crest; Heart development; Limb patterning; Mesenchyme; Mesoderm; Migration **98** 127

Gain of function: *Barbu; bbu; Bearded; Brd; Brd-C;* Bristle; Dominant-negative; Double-strand RNA; *Enhancer of split; E(spl); E(spl)-C;* Gene family; Lateral specification; Loss of function; *ma; m4;* Mechanosensory organ; Neurogenesis; Notch; RNA interference; RNAi; Sensory organ precursor; *twin of m4; tom* **98** 19

Gastrulation: Cited; Msg; Mrg; Chick embryo; Heart development; Mesoderm; Primitive streak; Epiblast; p300/CBP; Somites; Headfold; Kidney anlage; Left-right asymmetry; Headfold **98** 157

Gene expression analysis: Mouse; Embryogenesis; Organogenesis; In situ hybridization; High-throughput gene identification; Functional genomics **98** 77

Gene family: *Barbu; bbu; Bearded; Brd; Brd-C;* Bristle; Dominant-negative; Double-strand RNA; *Enhancer of split; E(spl); E(spl)-C;* Gain of function; Lateral specification; Loss of function; *ma; m4;* Mechanosensory organ; Neurogenesis; Notch; RNA interference; RNAi; Sensory organ precursor; *twin of m4; tom* **98** 19

GlcAT-D: HNK-1 epitope; Glucuronyltransferase; GlcAT-P; Sulfotransferase; Myotome; Epaxial myoblast; Hypaxial myoblast; Migration **98** 145

GlcAT-P: HNK-1 epitope; Glucuronyltransferase; GlcAT-D; Sulfotransferase; Myotome; Epaxial myoblast; Hypaxial myoblast; Migration **98** 145

Gli3; Sonic hedgehog: Chick; Limb **98** 171

β-Glucosidase: *βklotho; klotho;* Aging; Lipid metabolism; Family 1 glycosidase; Glutamate; Liver; Pancreas; Yolk sac; Brown adipose tissue; White adipose tissue; Mouse; cDNA cloning; *In situ* hybridization; Northern blot hybridization **98** 115

Glucuronyltransferase: HNK-1 epitope; GlcAT-P; GlcAT-D; Sulfotransferase; Myotome; Epaxial myoblast; Hypaxial myoblast; Migration **98** 145

Glutamate: *βklotho; klotho;* Aging; Lipid metabolism; Family 1 glycosidase; Liver; Pancreas; Yolk sac; Brown adipose tissue; White adipose tissue; Mouse; *β-Glucosidase;* cDNA cloning; *In situ* hybridization; Northern blot hybridization **98** 115

Gonad development: Mouse; Large-scale screen; *In situ* hybridization; Sex determination; Sex dimorphism **98** 51

- Gut:** Mouse; Blastocyst; Inner cell mass; Intestine; A33 antigen; Ig domain; Endoderm; Epithelium; Development **98** 111
- Hairy/Enhancer of split:** HES-6; bHLH; Sensory placodes; Olfactory placode; Otic placode; Epibranchial placodes; Trigeminal placode; Sensory ganglia; Dorsal root ganglia; Hindbrain; Muscle; Tendons; Limb buds; Branchial arches **98** 133
- Hairy:** Hey; Basic helix-loop-helix; Notch; Delta; Somitogenesis; Somites; Presomitic mesoderm; Spinal ganglia; Cranial ganglia; Mouse; Smooth muscles; Arteries; Vasculature; Thymus; CADASIL **98** 175
- Headfold:** Cited; Msg; Mrg; Chick embryo; Heart development; Mesoderm; Primitive streak; Epiblast; p300/CBP; Somites; Kidney anlage; Left-right asymmetry; Headfold; Gastrulation **98** 157
- Headfold:** Cited; Msg; Mrg; Chick embryo; Heart development; Mesoderm; Primitive streak; Epiblast; p300/CBP; Somites; Headfold; Kidney anlage; Left-right asymmetry; Gastrulation **98** 157
- Heart development:** Cited; Msg; Mrg; Chick embryo; Mesoderm; Primitive streak; Epiblast; p300/CBP; Somites; Headfold; Kidney anlage; Left-right asymmetry; Headfold; Gastrulation **98** 157
- Heart development:** Mouse embryo; G protein-coupled receptor kinases; Arrestins; Neural plate; Neural tube; Branchial arches; Neural crest; Limb patterning; Mesenchyme; Mesoderm; Migration **98** 127
- Hedgehog signalling:** *Xenopus laevis*; Patched; Limb development **98** 99
- HES-6:** Hairy/Enhancer of split; bHLH; Sensory placodes; Olfactory placode; Otic placode; Epibranchial placodes; Trigeminal placode; Sensory ganglia; Dorsal root ganglia; Hindbrain; Muscle; Tendons; Limb buds; Branchial arches **98** 133
- Hey:** Basic helix-loop-helix; Hairy; Notch; Delta; Somitogenesis; Somites; Presomitic mesoderm; Spinal ganglia; Cranial ganglia; Mouse; Smooth muscles; Arteries; Vasculature; Thymus; CADASIL **98** 175
- High-throughput gene identification:** Mouse; Embryogenesis; Organogenesis; Gene expression analysis; In situ hybridization; Functional genomics **98** 77
- Hindbrain:** Chick; Embryo; RPTP gamma; Neurone; Midbrain; Diencephalon; Cranial ganglion; Rhombomere; Somite; Placode; Motoneurone **98** 183
- Hindbrain:** HES-6; Hairy/Enhancer of split; bHLH; Sensory placodes; Olfactory placode; Otic placode; Epibranchial placodes; Trigeminal placode; Sensory ganglia; Dorsal root ganglia; Muscle; Tendons; Limb buds; Branchial arches **98** 133
- HNK-1 epitope:** Glucuronyltransferase; GlcAT-P; GlcAT-D; Sulfotransferase; Myotome; Epaxial myoblast; Hypaxial myoblast; Migration **98** 145
- Hox:** rae28; Pcg; Polycomb group; Maintenance; Initiation; Rhombomere; Pharyngeal arch; Neural crest cell; Transcriptional regulation **98** 165
- Hypaxial myoblast:** HNK-1 epitope; Glucuronyltransferase; GlcAT-P; GlcAT-D; Sulfotransferase; Myotome; Epaxial myoblast; Migration **98** 145
- Ig domain:** Mouse; Blastocyst; Inner cell mass; Intestine; A33 antigen; Gut; Endoderm; Epithelium; Development **98** 111
- In situ hybridization:** β klotho; klotho; Aging; Lipid metabolism; Family 1 glycosidase; Glutamate; Liver; Pancreas; Yolk sac; Brown adipose tissue; White adipose tissue; Mouse; β -Glucosidase; cDNA cloning; In situ hybridization; Northern blot hybridization **98** 115
- In situ hybridization:** Central nervous system; Development; Extracellular matrix; Matrix metalloproteinase; Nervous system; Northern hybridization; TIMP-1; TIMP-2; TIMP-3; TIMP-4 **98** 105
- In situ hybridization:** Gonad development; Mouse; Large-scale screen; Sex determination; Sex dimorphism **98** 51
- In situ hybridization:** Mouse; Embryogenesis; Organogenesis; Gene expression analysis; High-throughput gene identification; Functional genomics **98** 77
- In situ hybridization:** Pronephros; Mesonephros; Metanephros; Pax-2; Lmx-1; Lim 1/2; Wnt-4; Wnt-11 **98** 121
- In situ hybridization:** ten-m; ten-a; Neurestin; Odz; Teneurin-1; Chick embryo; Somite; Limb development; Morphogenesis **98** 187
- Initiation:** rae28; Pcg; Polycomb group; Hox; Maintenance; Rhombomere; Pharyngeal arch; Neural crest cell; Transcriptional regulation **98** 165
- Inner cell mass:** Mouse; Blastocyst; Intestine; A33 antigen; Ig domain; Gut; Endoderm; Epithelium; Development **98** 111
- Intestine:** Mouse; Blastocyst; Inner cell mass; A33 antigen; Ig domain; Gut; Endoderm; Epithelium; Development **98** 111
- Jagged:** Embryonic; Lung; Notch; Delta; Radical fringe; Lunatic fringe; Endoderm **98** 95
- Kidney anlage:** Cited; Msg; Mrg; Chick embryo; Heart development; Mesoderm; Primitive streak; Epiblast; p300/CBP; Somites; Headfold; Left-right asymmetry; Headfold; Gastrulation **98** 157
- klotho; β klotho:** Aging; Lipid metabolism; Family 1 glycosidase; Glutamate; Liver; Pancreas; Yolk sac; Brown adipose tissue; White adipose tissue; Mouse; β -Glucosidase; cDNA cloning; In situ hybridization; Northern blot hybridization **98** 115
- β klotho; klotho:** Aging; Lipid metabolism; Family 1 glycosidase; Glutamate; Liver; Pancreas; Yolk sac; Brown adipose tissue; White adipose tissue; Mouse; β -Glucosidase; cDNA cloning; In situ hybridization; Northern blot hybridization **98** 115
- Large-scale screen:** Gonad development; Mouse; In situ hybridization; Sex determination; Sex dimorphism **98** 51
- Lateral line placode:** Fin bud; Olfactory placode; Otic placode; Presomitic mesoderm; Sine oculis; Six4; Somites; Tectum; Zebrafish **98** 151
- Lateral line primordium:** Runt-related transcription factor; Runt domain; Runx family; Zebrafish; Embryogenesis; Development; Ear; Otic vesicle; Olfactory placode; Trigeminal ganglion; Rohon-Beard sensory neurons; Neural crest; Alternative splicing; PEBP2 α B; CBFA2; AML1; Runx1; PEBP2 α C; CBFA3; AML2; Runx3 **98** 139
- Lateral specification:** Barbu; bbu; Bearded; Brd; Brd-C; Bristle; Dominant-negative; Double-strand RNA; Enhancer of split; E(spl); E(spl)-C; Gain of function; Gene family; Loss of function; maf; m4; Mechanosensory organ; Neurogenesis; Notch; RNA interference; RNAi; Sensory organ precursor; twin of m4; tom **98** 19
- Left-right asymmetry:** Cited; Msg; Mrg; Chick embryo; Heart development; Mesoderm; Primitive streak; Epiblast; p300/CBP; Somites; Headfold; Kidney anlage; Headfold; Gastrulation **98** 157

Lim 1/2; Pronephros; Mesonephros; Metanephros; In situ hybridization; Pax-2; Lmx-1; Wnt-4; Wnt-11 **98** 121

Limb buds; HES-6; Hairy/Enhancer of split; bHLH; Sensory placodes; Olfactory placode; Otic placode; Epibranchial placodes; Trigeminal placode; Sensory ganglia; Dorsal root ganglia; Hindbrain; Muscle; Tendons; Branchial arches **98** 133

Limb development; *ten-m*; *ten-a*; Neurestin; Odz; DOC4; Teneurin-1; Chick embryo; Somite; Morphogenesis; In situ hybridization **98** 187

Limb development; *Xenopus laevis*; Hedgehog signalling; Patched **98** 99

Limb patterning; Mouse embryo; G protein-coupled receptor kinases; Arrestins; Neural plate; Neural tube; Branchial arches; Neural crest; Heart development; Mesenchyme; Mesoderm; Migration **98** 127

Limb; *Gli3*; Sonic hedgehog; Chick **98** 171

Limb; Zinc finger; *odd-paired*; *Zic*; Anterior neural development; Roof regionalization; Somite **98** 161

Lipid metabolism; *βklotho*; *klotho*; Aging; Family 1 glycosidase; Glutamate; Liver; Pancreas; Yolk sac; Brown adipose tissue; White adipose tissue; Mouse; β -Glucosidase; cDNA cloning; In situ hybridization; Northern blot hybridization **98** 115

Liver; *βklotho*; *klotho*; Aging; Lipid metabolism; Family 1 glycosidase; Glutamate; Pancreas; Yolk sac; Brown adipose tissue; White adipose tissue; Mouse; β -Glucosidase; cDNA cloning; In situ hybridization; Northern blot hybridization **98** 115

Lmx-1; Pronephros; Mesonephros; Metanephros; In situ hybridization; Pax-2; Lim 1/2; Wnt-4; Wnt-11 **98** 121

Loss of function; *Barbu*; *bbu*; *Bearded*; *Brd*; *Brd-C*; Bristle; Dominant-negative; Double-strand RNA; *Enhancer of split*; *E(spl)*; *E(spl)-C*; Gain of function; Gene family; Lateral specification; *ma*; *m4*; Mechanosensory organ; Neurogenesis; Notch; RNA interference; RNAi; Sensory organ precursor; *twin of m4*; *tom* **98** 19

Lunatic fringe; Embryonic; Lung; Notch; Delta; Jagged; Radical fringe; Endoderm **98** 95

Lung; Embryonic; Notch; Delta; Jagged; Radical fringe; Lunatic fringe; Endoderm **98** 95

ma; *Barbu*; *bbu*; *Bearded*; *Brd*; *Brd-C*; Bristle; Dominant-negative; Double-strand RNA; *Enhancer of split*; *E(spl)*; *E(spl)-C*; Gain of function; Gene family; Lateral specification; Loss of function; *m4*; Mechanosensory organ; Neurogenesis; Notch; RNA interference; RNAi; Sensory organ precursor; *twin of m4*; *tom* **98** 19

m4; *Barbu*; *bbu*; *Bearded*; *Brd*; *Brd-C*; Bristle; Dominant-negative; Double-strand RNA; *Enhancer of split*; *E(spl)*; *E(spl)-C*; Gain of function; Gene family; Lateral specification; Loss of function; *ma*; Mechanosensory organ; Neurogenesis; Notch; RNA interference; RNAi; Sensory organ precursor; *twin of m4*; *tom* **98** 19

Maintenance; *rae28*; Pcg; Polycomb group; *Hox*; Initiation; Rhombomere; Pharyngeal arch; Neural crest cell; Transcriptional regulation **98** 165

Matrix metalloproteinase; Central nervous system; Development; Extracellular matrix; In situ hybridization; Nervous system; Northern hybridization; TIMP-1; TIMP-2; TIMP-3; TIMP-4 **98** 105

Mechanosensory organ; *Barbu*; *bbu*; *Bearded*; *Brd*; *Brd-C*; Bristle; Dominant-negative; Double-strand RNA; *Enhancer of split*; *E(spl)*; *E(spl)-C*; Gain of function; Gene family; Lateral specification; Loss of function; *ma*; *m4*; Neurogenesis; Notch; RNA interference; RNAi; Sensory organ precursor; *twin of m4*; *tom* **98** 19

Mesenchyme; Mouse embryo; G protein-coupled receptor kinases; Arrestins; Neural plate; Neural tube; Branchial arches; Neural crest; Heart development; Limb patterning; Mesoderm; Migration **98** 127

Mesoderm; Cited; Msg; Mrg; Chick embryo; Heart development; Primitive streak; Epiblast; p300/CBP; Somites; Headfold; Kidney anlage; Left-right asymmetry; Headfold; Gastrulation **98** 157

Mesoderm; Mouse embryo; G protein-coupled receptor kinases; Arrestins; Neural plate; Neural tube; Branchial arches; Neural crest; Heart development; Limb patterning; Mesenchyme; Migration **98** 127

Mesonephros; Pronephros; Metanephros; In situ hybridization; Pax-2; Lmx-1; Lim 1/2; Wnt-4; Wnt-11 **98** 121

Metanephros; Pronephros; Mesonephros; In situ hybridization; Pax-2; Lmx-1; Lim 1/2; Wnt-4; Wnt-11 **98** 121

Midbrain; Chick; Embryo; RPTP gamma; Neurone; Hindbrain; Diencephalon; Cranial ganglion; Rhombomere; Somite; Placode; Motoneurone **98** 183

Migration; HNK-1 epitope; Glucuronyltransferase; GlcAT-P; GlcAT-D; Sulfotransferase; Myotome; Epaxial myoblast; Hypaxial myoblast **98** 145

Migration; Mouse embryo; G protein-coupled receptor kinases; Arrestins; Neural plate; Neural tube; Branchial arches; Neural crest; Heart development; Limb patterning; Mesenchyme; Mesoderm **98** 127

Morphogenesis; *ten-m*; *ten-a*; Neurestin; Odz; DOC4; Teneurin-1; Chick embryo; Somite; Limb development; In situ hybridization **98** 187

Motoneurone; Chick; Embryo; RPTP gamma; Neurone; Hindbrain; Midbrain; Diencephalon; Cranial ganglion; Rhombomere; Somite; Placode **98** 183

Mouse embryo; G protein-coupled receptor kinases; Arrestins; Neural plate; Neural tube; Branchial arches; Neural crest; Heart development; Limb patterning; Mesenchyme; Mesoderm; Migration **98** 127

Mouse; *βklotho*; *klotho*; Aging; Lipid metabolism; Family 1 glycosidase; Glutamate; Liver; Pancreas; Yolk sac; Brown adipose tissue; White adipose tissue; β -Glucosidase; cDNA cloning; In situ hybridization; Northern blot hybridization **98** 115

Mouse; Blastocyst; Inner cell mass; Intestine; A33 antigen; Ig domain; Gut; Endoderm; Epithelium; Development **98** 111

Mouse; Embryogenesis; Organogenesis; Gene expression analysis; In situ hybridization; High-throughput gene identification; Functional genomics **98** 77

Mouse; Gonad development; Large-scale screen; In situ hybridization; Sex determination; Sex dimorphism **98** 51

Mouse; Hey; Basic helix-loop-helix; Hairy; Notch; Delta; Somitogenesis; Somites; Presomitic mesoderm; Spinal ganglia; Cranial ganglia; Smooth muscles; Arteries; Vasculation; Thymus; CADASIL **98** 175

Mouse; Retinaldehyde dehydrogenase; Retinoic acid; Pax6; Retina; Dorsal-ventral axis; Chick **98** 37

- Mrg:** Cited; Msg; Chick embryo; Heart development; Mesoderm; Primitive streak; Epiblast; p300/CBP; Somites; Headfold; Kidney anlage; Left-right asymmetry; Headfold; Gastrulation **98** 157
- Msg:** Cited; Mrg; Chick embryo; Heart development; Mesoderm; Primitive streak; Epiblast; p300/CBP; Somites; Headfold; Kidney anlage; Left-right asymmetry; Headfold; Gastrulation **98** 157
- Muscle:** HES-6; Hairy/Enhancer of split; bHLH; Sensory placodes; Olfactory placode; Otic placode; Epibranchial placodes; Trigeminal placode; Sensory ganglia; Dorsal root ganglia; Hindbrain; Tendons; Limb buds; Branchial arches **98** 133
- Myotome:** HNK-1 epitope; Glucuronyltransferase; GlcAT-P; GlcAT-D; Sulfotransferase; Epaxial myoblast; Hypaxial myoblast; Migration **98** 145
- Nervous system:** Central nervous system; Development; Extracellular matrix; In situ hybridization; Matrix metalloproteinase; Northern hybridization; TIMP-1; TIMP-2; TIMP-3; TIMP-4 **98** 105
- Neural crest cell:** rae28; Pcg; Polycomb group; Hox; Maintenance; Initiation; Rhombomere; Pharyngeal arch; Transcriptional regulation **98** 165
- Neural crest:** Mouse embryo; G protein-coupled receptor kinases; Arrestins; Neural plate; Neural tube; Branchial arches; Heart development; Limb patterning; Mesenchyme; Mesoderm; Migration **98** 127
- Neural crest:** Runt-related transcription factor; Runt domain; Runx family; Zebrafish; Embryogenesis; Development; Ear; Otic vesicle; Olfactory placode; Trigeminal ganglion; Lateral line primordium; Rohon-Beard sensory neurons; Alternative splicing; PEBP2αB; CBFA2; AML1; Runx1; PEBP2αC; CBFA3; AML2; Runx3 **98** 139
- Neural plate:** Mouse embryo; G protein-coupled receptor kinases; Arrestins; Neural tube; Branchial arches; Neural crest; Heart development; Limb patterning; Mesenchyme; Mesoderm; Migration **98** 127
- Neural tube:** Mouse embryo; G protein-coupled receptor kinases; Arrestins; Neural plate; Branchial arches; Neural crest; Heart development; Limb patterning; Mesenchyme; Mesoderm; Migration **98** 127
- Neurestin:** ten-m; ten-a; Odz; DOC4; Teneurin-1; Chick embryo; Somite; Limb development; Morphogenesis; In situ hybridization **98** 187
- Neurogenesis:** Barbu; bbu; Bearded; Brd; Brd-C; Bristle; Dominant-negative; Double-strand RNA; Enhancer of split; E(spl); E(spl)-C; Gain of function; Gene family; Lateral specification; Loss of function; mα; m4; Mechanosensory organ; Notch; RNA interference; RNAi; Sensory organ precursor; twin of m4; tom **98** 19
- Neurone:** Chick; Embryo; RPTP gamma; Hindbrain; Midbrain; Diencephalon; Cranial ganglion; Rhombomere; Somite; Placode; Motoneurone **98** 183
- Northern blot hybridization:** βklotho; klotho; Aging; Lipid metabolism; Family 1 glycosidase; Glutamate; Liver; Pancreas; Yolk sac; Brown adipose tissue; White adipose tissue; Mouse; β-Glucosidase; cDNA cloning; In situ hybridization **98** 115
- Northern hybridization:** Central nervous system; Development; Extracellular matrix; In situ hybridization; Matrix metalloproteinase; Nervous system; TIMP-1; TIMP-2; TIMP-3; TIMP-4 **98** 105
- Notch:** Barbu; bbu; Bearded; Brd; Brd-C; Bristle; Dominant-negative; Double-strand RNA; Enhancer of split; E(spl); E(spl)-C; Gain of function; Gene family; Lateral specification; Loss of function; mα; m4; Mechanosensory organ; Neurogenesis; Notch; RNA interference; RNAi; Sensory organ precursor; twin of m4; tom **98** 19
- Notch:** Embryonic; Lung; Delta; Jagged; Radical fringe; Lunatic fringe; Endoderm **98** 95
- Notch:** Hey; Basic helix-loop-helix; Hairy; Delta; Somitogenesis; Somites; Presomitic mesoderm; Spinal ganglia; Cranial ganglia; Mouse; Smooth muscles; Arteries; Vasculature; Thymus; CADASIL **98** 175
- odd-paired:** Zinc finger; Zic; Anterior neural development; Roof regionalization; Limb; Somite **98** 161
- Odz:** ten-m; ten-a; Neurestin; DOC4; Teneurin-1; Chick embryo; Somite; Limb development; Morphogenesis; In situ hybridization **98** 187
- Olfactory placode:** Fin bud; Lateral line placode; Otic placode; Presomitic mesoderm; Sine oculis; Six4; Somites; Tectum; Zebrafish **98** 151
- Olfactory placode:** HES-6; Hairy/Enhancer of split; bHLH; Sensory placodes; Otic placode; Epibranchial placodes; Trigeminal placode; Sensory ganglia; Dorsal root ganglia; Hindbrain; Muscle; Tendons; Limb buds; Branchial arches **98** 133
- Olfactory placode:** Runt-related transcription factor; Runt domain; Runx family; Zebrafish; Embryogenesis; Development; Ear; Otic vesicle; Trigeminal ganglion; Lateral line primordium; Rohon-Beard sensory neurons; Neural crest; Alternative splicing; PEBP2αB; CBFA2; AML1; Runx1; PEBP2αC; CBFA3; AML2; Runx3 **98** 139
- Organogenesis:** Mouse; Embryogenesis; Gene expression analysis; In situ hybridization; High-throughput gene identification; Functional genomics **98** 77
- Otic placode:** Fin bud; Lateral line placode; Olfactory placode; Presomitic mesoderm; Sine oculis; Six4; Somites; Tectum; Zebrafish **98** 151
- Otic placode:** HES-6; Hairy/Enhancer of split; bHLH; Sensory placodes; Olfactory placode; Epibranchial placodes; Trigeminal placode; Sensory ganglia; Dorsal root ganglia; Hindbrain; Muscle; Tendons; Limb buds; Branchial arches **98** 133
- Otic vesicle:** Runt-related transcription factor; Runt domain; Runx family; Zebrafish; Embryogenesis; Development; Ear; Olfactory placode; Trigeminal ganglion; Lateral line primordium; Rohon-Beard sensory neurons; Neural crest; Alternative splicing; PEBP2αB; CBFA2; AML1; Runx1; PEBP2αC; CBFA3; AML2; Runx3 **98** 139
- p300/CBP:** Cited; Msg; Mrg; Chick embryo; Heart development; Mesoderm; Primitive streak; Epiblast; Somites; Headfold; Kidney anlage; Left-right asymmetry; Headfold; Gastrulation **98** 157
- Pancreas:** βklotho; klotho; Aging; Lipid metabolism; Family 1 glycosidase; Glutamate; Liver; Yolk sac; Brown adipose tissue; White adipose tissue; Mouse; β-Glucosidase; cDNA cloning; In situ hybridization; Northern blot hybridization **98** 115
- Patched:** Xenopus laevis; Hedgehog signalling; Limb development **98** 99
- Pax-2:** Pronephros; Mesonephros; Metanephros; In situ hybridization; Lmx-1; Lim 1/2; Wnt-4; Wnt-11 **98** 121
- Pax6:** Retinaldehyde dehydrogenase; Retinoic acid; Retina; Dorso-ventral axis; Chick; Mouse **98** 37
- Pcg:** rae28; Polycomb group; Hox; Maintenance; Initiation; Rhombomere; Pharyngeal arch; Neural crest cell; Transcriptional regulation **98** 165

PEBP2 α B: Runt-related transcription factor; Runt domain; Runx family; Zebrafish; Embryogenesis; Development; Ear; Otic vesicle; Olfactory placode; Trigeminal ganglion; Lateral line primordium; Rohon–Beard sensory neurons; Neural crest; Alternative splicing; CBFA2; AML1; Runx1; PEBP2 α C; CBFA3; AML2; Runx3 **98** 139

PEBP2 α C: Runt-related transcription factor; Runt domain; Runx family; Zebrafish; Embryogenesis; Development; Ear; Otic vesicle; Olfactory placode; Trigeminal ganglion; Lateral line primordium; Rohon–Beard sensory neurons; Neural crest; Alternative splicing; PEBP2 α B; CBFA2; AML1; Runx1; CBFA3; AML2; Runx3 **98** 139

Pharyngeal arch: *rae28*; PgC; Polycomb group; *Hox*; Maintenance; Initiation; Rhombomere; Neural crest cell; Transcriptional regulation **98** 165

Placode: Chick; Embryo; RPTP gamma; Neurone; Hindbrain; Midbrain; Diencephalon; Cranial ganglion; Rhombomere; Somite; Motoneurone **98** 183

Polycomb group: *rae28*; PgC; *Hox*; Maintenance; Initiation; Rhombomere; Pharyngeal arch; Neural crest cell; Transcriptional regulation **98** 165

Pprechordal plate: Wnt signaling; Dkk-1; A-P patterning; Anterior neural plate; Forebrain; Zebrafish **98** 3

Presomitic mesoderm: Fin bud; Lateral line placode; Olfactory placode; Otic placode; Sine oculis; Six4; Somites; Tectum; Zebrafish **98** 151

Presomitic mesoderm: Hey; Basic helix-loop-helix; Hairy; Notch; Delta; Somitogenesis; Somites; Spinal ganglia; Cranial ganglia; Mouse; Smooth muscles; Arteries; Vasculature; Thymus; CADASIL **98** 175

Primitive streak: Cited; Msg; Mrg; Chick embryo; Heart development; Mesoderm; Epiblast; p300/CBP; Somites; Headfold; Kidney anlage; Left-right asymmetry; Headfold; Gastrulation **98** 157

Pronephros: Mesonephros; Metanephros; In situ hybridization; Pax-2; Lmx-1; Lim 1/2; Wnt-4; Wnt-11 **98** 121

Radical fringe: Embryonic; Lung; Notch; Delta; Jagged; Lunatic fringe; Endoderm **98** 95

rae28: PgC; Polycomb group; *Hox*; Maintenance; Initiation; Rhombomere; Pharyngeal arch; Neural crest cell; Transcriptional regulation **98** 165

Retina: Retinaldehyde dehydrogenase; Retinoic acid; Pax6; Dorso-ventral axis; Chick; Mouse **98** 37

Retinaldehyde dehydrogenase: Retinoic acid; Pax6; Retina; Dorso-ventral axis; Chick; Mouse **98** 37

Retinoic acid: Retinaldehyde dehydrogenase; Pax6; Retina; Dorso-ventral axis; Chick; Mouse **98** 37

Rhombomere: Chick; Embryo; RPTP gamma; Neurone; Hindbrain; Midbrain; Diencephalon; Cranial ganglion; Somite; Placode; Motoneurone **98** 183

Rhombomere: *rae28*; PgC; Polycomb group; *Hox*; Maintenance; Initiation; Pharyngeal arch; Neural crest cell; Transcriptional regulation **98** 165

RNA interference: *Barbu*; *bbu*; *Bearded*; *Brd*; *Brd-C*; Bristle; Dominant-negative; Double-strand RNA; *Enhancer of split*; *E(spl)*; *E(spl)-C*; Gain of function; Gene family; Lateral specification; Loss of function; *mα*; *m4*; Mechanosensory organ; Neurogenesis; Notch; RNAi; Sensory organ precursor; *twin of m4*; *tom* **98** 19

RNAi: *Barbu*; *bbu*; *Bearded*; *Brd*; *Brd-C*; Bristle; Dominant-negative; Double-strand RNA; *Enhancer of split*; *E(spl)*; *E(spl)-C*; Gain of function; Gene family; Lateral specification; Loss of function; *mα*; *m4*; Mechanosensory organ; Neurogenesis; Notch; RNA interference; Sensory organ precursor; *twin of m4*; *tom* **98** 19

Rohon–Beard sensory neurons; Runt-related transcription factor; Runt domain; Runx family; Zebrafish; Embryogenesis; Development; Ear; Otic vesicle; Olfactory placode; Trigeminal ganglion; Lateral line primordium; Rohon–Beard sensory neurons; Neural crest; Alternative splicing; PEBP2 α B; CBFA2; AML1; Runx1; PEBP2 α C; CBFA3; AML2; Runx3 **98** 139

Roof regionalization: Zinc finger; *odd-paired*; Zic; Anterior neural development; Limb; Somite **98** 161

RPTP gamma: Chick; Embryo; Neurone; Hindbrain; Midbrain; Diencephalon; Cranial ganglion; Rhombomere; Somite; Placode; Motoneurone **98** 183

Runt domain: Runt-related transcription factor; Runx family; Zebrafish; Embryogenesis; Development; Ear; Otic vesicle; Olfactory placode; Trigeminal ganglion; Lateral line primordium; Rohon–Beard sensory neurons; Neural crest; Alternative splicing; PEBP2 α B; CBFA2; AML1; Runx1; PEBP2 α C; CBFA3; AML2; Runx3 **98** 139

Runt-related transcription factor: Runt domain; Runx family; Zebrafish; Embryogenesis; Development; Ear; Otic vesicle; Olfactory placode; Trigeminal ganglion; Lateral line primordium; Rohon–Beard sensory neurons; Neural crest; Alternative splicing; PEBP2 α B; CBFA2; AML1; Runx1; PEBP2 α C; CBFA3; AML2; Runx3 **98** 139

Runx family: Runt-related transcription factor; Runt domain; Zebrafish; Embryogenesis; Development; Ear; Otic vesicle; Olfactory placode; Trigeminal ganglion; Lateral line primordium; Rohon–Beard sensory neurons; Neural crest; Alternative splicing; PEBP2 α B; CBFA2; AML1; Runx1; PEBP2 α C; CBFA3; AML2; Runx3 **98** 139

Runx1: Runt-related transcription factor; Runt domain; Runx family; Zebrafish; Embryogenesis; Development; Ear; Otic vesicle; Olfactory placode; Trigeminal ganglion; Lateral line primordium; Rohon–Beard sensory neurons; Neural crest; Alternative splicing; PEBP2 α B; CBFA2; AML1; Runx1; PEBP2 α C; CBFA3; AML2; Runx3 **98** 139

Runx3: Runt-related transcription factor; Runt domain; Runx family; Zebrafish; Embryogenesis; Development; Ear; Otic vesicle; Olfactory placode; Trigeminal ganglion; Lateral line primordium; Rohon–Beard sensory neurons; Neural crest; Alternative splicing; PEBP2 α B; CBFA2; AML1; Runx1; PEBP2 α C; CBFA3; AML2 **98** 139

Sensory ganglia: HES-6; Hairy/Enhancer of split; bHLH; Sensory placodes; Olfactory placode; Otic placode; Epibranchial placodes; Trigeminal placode; Dorsal root ganglia; Hindbrain; Muscle; Tendons; Limb buds; Branchial arches **98** 133

Sensory organ precursor: *Barbu*; *bbu*; *Bearded*; *Brd*; *Brd-C*; Bristle; Dominant-negative; Double-strand RNA; *Enhancer of split*; *E(spl)*; *E(spl)-C*; Gain of function; Gene family; Lateral specification; Loss of function; *mα*; *m4*; Mechanosensory organ; Neurogenesis; Notch; RNA interference; RNAi; *twin of m4*; *tom* **98** 19

Sensory placodes: HES-6; Hairy/Enhancer of split; bHLH; Olfactory placode; Otic placode; Epibranchial placodes; Trigeminal placode; Sensory ganglia; Dorsal root ganglia; Hindbrain; Muscle; Tendons; Limb buds; Branchial arches **98** 133

Sex determination: Gonad development; Mouse; Large-scale screen; In situ hybridization; Sex dimorphism **98** 51

Sex dimorphism: Gonad development; Mouse; Large-scale screen; In situ hybridization; Sex determination **98** 51

Sine oculis: Fin bud; Lateral line placode; Olfactory placode; Otic placode; Presomitic mesoderm; Six4; Somites; Tectum; Zebrafish **98** 151

Six4: Fin bud; Lateral line placode; Olfactory placode; Otic placode; Presomitic mesoderm; Sine oculis; Somites; Tectum; Zebrafish **98** 151

Smooth muscles: Hey; Basic helix-loop-helix; Hairy; Notch; Delta; Somitogenesis; Somites; Presomitic mesoderm; Spinal ganglia; Cranial ganglia; Mouse; Arteries; Vasculature; Thymus; CADASIL **98** 175

Somite: Chick; Embryo; RTPK gamma; Neurone; Hindbrain; Midbrain; Diencephalon; Cranial ganglion; Rhombomere; Placode; Motoneurone **98** 183

Somite: *ten-m*; *ten-a*; Neurestin; Odz; DOC4; Teneurin-1; Chick embryo; Limb development; Morphogenesis; In situ hybridization **98** 187

Somite: Zinc finger; *odd-paired*; Zic; Anterior neural development; Roof regionalization; Limb **98** 161

Somites: Cited; Msg; Mrg; Chick embryo; Heart development; Mesoderm; Primitive streak; Epiblast; p300/CBP; Headfold; Kidney anlage; Left-right asymmetry; Headfold; Gastrulation **98** 157

Somites: Fin bud; Lateral line placode; Olfactory placode; Otic placode; Presomitic mesoderm; Sine oculis; Six4; Tectum; Zebrafish **98** 151

Somites: Hey; Basic helix-loop-helix; Hairy; Notch; Delta; Somitogenesis; Presomitic mesoderm; Spinal ganglia; Cranial ganglia; Mouse; Smooth muscles; Arteries; Vasculature; Thymus; CADASIL **98** 175

Somitogenesis: Hey; Basic helix-loop-helix; Hairy; Notch; Delta; Somites; Presomitic mesoderm; Spinal ganglia; Cranial ganglia; Mouse; Smooth muscles; Arteries; Vasculature; Thymus; CADASIL **98** 175

Sonic hedgehog: *Gli3*; Chick; Limb **98** 171

Spinal ganglia: Hey; Basic helix-loop-helix; Hairy; Notch; Delta; Somitogenesis; Somites; Presomitic mesoderm; Cranial ganglia; Mouse; Smooth muscles; Arteries; Vasculature; Thymus; CADASIL **98** 175

Sulfotransferase: HNK-1 epitope; Glucuronyltransferase; GlcAT-P; GlcAT-D; Myotome; Epaxial myoblast; Hypaxial myoblast; Migration **98** 145

Tectum: Fin bud; Lateral line placode; Olfactory placode; Otic placode; Presomitic mesoderm; Sine oculis; Six4; Somites; Zebrafish **98** 151

ten-a; **ten-m**; Neurestin; Odz; DOC4; Teneurin-1; Chick embryo; Somite; Limb development; Morphogenesis; In situ hybridization **98** 187

Tendons: HES-6; Hairy/Enhancer of split; bHLH; Sensory placodes; Olfactory placode; Otic placode; Epibranchial placodes; Trigeminal placode; Sensory ganglia; Dorsal root ganglia; Hindbrain; Muscle; Limb buds; Branchial arches **98** 133

Teneurin-1; **ten-m**; **ten-a**; Neurestin; Odz; DOC4; Chick embryo; Somite; Limb development; Morphogenesis; In situ hybridization **98** 187

ten-m; **ten-a**; Neurestin; Odz; DOC4; Teneurin-1; Chick embryo; Somite; Limb development; Morphogenesis; In situ hybridization **98** 187

Thymus: Hey; Basic helix-loop-helix; Hairy; Notch; Delta; Somitogenesis; Somites; Presomitic mesoderm; Spinal ganglia; Cranial ganglia; Mouse; Smooth muscles; Arteries; Vasculature; CADASIL **98** 175

TIMP-1: Central nervous system; Development; Extracellular matrix; In situ hybridization; Matrix metalloproteinase; Nervous system; Northern hybridization; TIMP-2; TIMP-3; TIMP-4 **98** 105

TIMP-2: Central nervous system; Development; Extracellular matrix; In situ hybridization; Matrix metalloproteinase; Nervous system; Northern hybridization; TIMP-1; TIMP-3; TIMP-4 **98** 105

TIMP-3: Central nervous system; Development; Extracellular matrix; In situ hybridization; Matrix metalloproteinase; Nervous system; Northern hybridization; TIMP-1; TIMP-2; TIMP-4 **98** 105

TIMP-4: Central nervous system; Development; Extracellular matrix; In situ hybridization; Matrix metalloproteinase; Nervous system; Northern hybridization; TIMP-1; TIMP-2; TIMP-3 **98** 105

tom: *Barbu*; *bbu*; Bearded; *Brd*; *Brd-C*; Bristle; Dominant-negative; Double-strand RNA; *Enhancer of split*; *E(spl)*; *E(spl)-C*; Gain of function; Gene family; Lateral specification; Loss of function; *ma*; *m4*; Mechanosensory organ; Neurogenesis; Notch; RNA interference; RNAi; Sensory organ precursor; *twin of m4* **98** 19

Transcriptional regulation: *rae28*; Pcg; Polycomb group; *Hox*; Maintenance; Initiation; Rhombomere; Pharyngeal arch; Neural crest cell **98** 165

Trigeminal ganglion: Runt-related transcription factor; Runt domain; Runx family; Zebrafish; Embryogenesis; Development; Ear; Otic vesicle; Olfactory placode; Lateral line primordium; Rohon-Beard sensory neurons; Neural crest; Alternative splicing; PEBP2αB; CBFA2; AML1; Runx1; PEBP2αC; CBFA3; AML2; Runx3 **98** 139

Trigeminal placode: HES-6; Hairy/Enhancer of split; bHLH; Sensory placodes; Olfactory placode; Otic placode; Epibranchial placodes; Sensory ganglia; Dorsal root ganglia; Hindbrain; Muscle; Tendons; Limb buds; Branchial arches **98** 133

twin of m4: *Barbu*; *bbu*; Bearded; *Brd*; *Brd-C*; Bristle; Dominant-negative; Double-strand RNA; *Enhancer of split*; *E(spl)*; *E(spl)-C*; Gain of function; Gene family; Lateral specification; Loss of function; *ma*; *m4*; Mechanosensory organ; Neurogenesis; Notch; RNA interference; RNAi; Sensory organ precursor; *tom* **98** 19

Vasculature: Hey; Basic helix-loop-helix; Hairy; Notch; Delta; Somitogenesis; Somites; Presomitic mesoderm; Spinal ganglia; Cranial ganglia; Mouse; Smooth muscles; Arteries; Thymus; CADASIL **98** 175

White adipose tissue: *βklotho*; *klotho*; Aging; Lipid metabolism; Family 1 glycosidase; Glutamate; Liver; Pancreas; Yolk sac; Brown adipose tissue; Mouse; *β*-Glucosidase; cDNA cloning; In situ hybridization; Northern blot hybridization **98** 115

Wnt signaling: Dkk-1; A-P patterning; Anterior neural plate; Prechordal plate; Forebrain; Zebrafish **98** 3

Wnt-11: Pronephros; Mesonephros; Metanephros; In situ hybridization; Pax-2; Lmx-1; Lim 1/2; Wnt-4 **98** 121

Wnt-4: Pronephros; Mesonephros; Metanephros; In situ hybridization; Pax-2; Lmx-1; Lim 1/2; Wnt-11 **98** 121

Xenopus laevis: BMP-4 promoter; c-Jun (AP-1); Auto-regulatory loop **98** 29

Xenopus laevis: Hedgehog signalling; Patched; Limb development **98** 99

Xp22: EGF; Dermatome **98** 179

Yolk sac: *βklotho*; *klotho*; Aging; Lipid metabolism; Family 1 glycosidase; Glutamate; Liver; Pancreas; Brown adipose tissue; White adipose tissue; Mouse; β -Glucosidase; cDNA cloning; In situ hybridization; Northern blot hybridization **98** 115

Zebrafish: Fin bud; Lateral line placode; Olfactory placode; Otic placode; Presomitic mesoderm; Sine oculis; Six4; Somites; Tectum **98** 151

Zebrafish: Runt-related transcription factor; Runt domain; Runx family;

Embryogenesis; Development; Ear; Otic vesicle; Olfactory placode; Trigeminal ganglion; Lateral line primordium; Rohon-Beard sensory neurons; Neural crest; Alternative splicing; PEBP2 α B; CBFA2; AML1; Runx1; PEBP2 α C; CBFA3; AML2; Runx3 **98** 139

Zebrafish: Wnt signaling; Dkk-1; A-P patterning; Anterior neural plate; Prechordal plate; Forebrain **98** 3

Zic: Zinc finger; *odd-paired*; Anterior neural development; Roof regionalization; Limb; Somite **98** 161

Zinc finger: *odd-paired*; *Zic*; Anterior neural development; Roof regionalization; Limb; Somite **98** 161